

Product datasheet for MC207786

Chrdl1 (NM_031258) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chrdl1 (NM_031258) Mouse Untagged Clone
Tag: Tag Free
Symbol: Chrdl1
Synonyms: CHL; CHL1; Nrln1; VOPT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207786 representing NM_031258
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGGCATGAAATACATCATTTTCCTTATTTTTTCATCTTTGTTTTCTAGAAGGAAGCAAAACAGAAC
 AAGTAAAACACTCAGACACATATTGCGTGTTCAGACAAGAAGTATAGAGTGGGTGAGAAATGGCATCC
 CTACCTGGAACCGTATGGACTGGTTTACTGTGTGAAGTGCATCTGCTCTGAGAATGGGAATGTGCTTTGC
 AGCCGAGTCAGATGTCCAAGTCTTCATTGCCTTTCACCGTGCATATTCCTCATCTCTGTTGCCCCGCT
 GCCCAGACTCCTTACCACAGTGAACAATAAGGTGACCAGCAAGTGCATGCGAATACAATGGAACCACTTA
 CCAACATGGAGAAGTGTTCATAGCTGAAGGGCTCTTTCAGAACCAGCAACCAATCAGTGCAGTCAGTGT
 AGCTGCTCGGAGGGGAATGTATACTGTGGTCTCAAGACTTGCCCCAAACTGACCTGTGCATTCCCAGTCT
 CTGTTCCAGATTCTTGTGCCGAGTATGCAGAGGGGATGCAGAATTATCGTGGGAACATGCCGGATGGTGA
 TATCTCCGGCAACCTGCCAACAGAGAAGCAAGACATTCTTACCTCCGTTCCCCCTACGATCCTCCACCA
 AACAGACAAGCTGGAGGTCTTCCCGCTTTCCTGGGAGCAGAAGTACCGGGGAGCTGTTATAGATTCCC
 AGCAAGCATCCGGGACCATCGTGCAGATTGTCATCAATAACAAGCACAACATGGACAAGTGTGTGTTTC
 CAATGGAAAGACCTACTCTCATGGAGAGTCTGGCACCCAAATCTACGAGCATTGGCATTGTGGAATGT
 GACTATGCACCTGTAATGTCACCAAGCAAGAATGTAAGAAAATCCACTGCCCAATCGATACCCCTGCA
 AGTATCCTCAAAAAATAGATGGAAAGTGTGCAAGGTGTGCCAGGTAAGGCAAAAGGTGCATTGGC
 TGGAGGCCCTGCCTTTGGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031258



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Insert Size:	1002 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_031258.3 , NP_112548.2
RefSeq Size:	4190 bp
RefSeq ORF:	1002 bp
Locus ID:	83453
UniProt ID:	Q920C1
Cytogenetics:	X F2
Gene Summary:	Seems to antagonize the function of BMP4 by binding to it and preventing its interaction with receptors. Alters the fate commitment of neural stem cells from gliogenesis to neurogenesis. Contributes to neuronal differentiation of neural stem cells in the brain by preventing the adoption of a glial fate. May play a crucial role in dorsoventral axis formation (By similarity). Antagonizes the function of BMP7 and may thus play an important role in the embryonic bone formation. Shows no inhibitory effect on the inducing activity of BMP2. Plays a role during anterior segment eye development (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 3' UTR and lacks a portion of the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.